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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 2-2005) TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | ATTORNEY'S DOCKET NUMBER 280664US6PCT U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/555096 |
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| INTERNATIONAL APPLICATION NO. PCT/JP05/05371 | INTERNATIONAL FILING DATE 24 March 2005 | PRIORITY DATE CLAIMED 6 April 2004 |
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TITLE OF INVENTION
SIGNAL PROCESSING DEVICE AND METHOD, AND SIGNAL DECODING DEVICE AND METHOD

APPLICANT(S) FOR DO/EO/US
Yoshiyuki KAJIWARA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☒ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☐ Express Mail Label No.
23. ☒ Other items or information:

Application Data Sheet
Drawings (17 sheets)
PTO-1449

Notice of Priority
PCT/IB/304
References Cited (3)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/535096 | | INTERNATIONAL APPLICATION NO. PCT/JP05/05371 | | ATTORNEY'S DOCKET NUMBER 280664US6PCT | |
| The following fees are submitted: | | | | CALCULATIONS | PTO USE |
| 24. <input checked="" type="checkbox"/> Basic national fee | | \$300 | | \$ | \$300.00 |
| 25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). | | \$100 | | \$ | \$200.00 |
| All other situations. | | \$200 | | | |
| 26. <input checked="" type="checkbox"/> Search fee | | \$100 | | | |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | \$400 | | | |
| International Search Report prepared and provided to the Office | | \$500 | | \$ | \$400.00 |
| All other situations. | | | | | |
| TOTAL OF 24, 25 and 26 = | | | | \$ | \$900.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE | | |
| - 100 = | 0 /50 = | 0 | x \$250.00 | \$ | \$0.00 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 9 - 20 = | 0 | x \$50.00 | \$ | \$0.00 |
| Independent claims | 4 - 3 = | 1 | x \$200.00 | \$ | \$200.00 |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00 | | | | \$ | \$0.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | \$1,100.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ | \$0.00 |
| SUBTOTAL = | | | | \$ | \$1,100.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$ | \$0.00 |
| TOTAL NATIONAL FEE = | | | | \$ | \$1,100.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + | | | | \$ | \$0.00 |
| TOTAL FEES ENCLOSED = | | | | \$ | \$1,100.00 |
| | | | | Amount to be | \$ |
| | | | | Amount to be | \$ |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> | | | | | |
| Customer Number 22850 | | | <p><i>Surinder Sachar</i></p> <p>SIGNATURE</p> <p>Gregory J. Maier</p> <p>NAME</p> <p>25,599</p> <p>REGISTRATION NUMBER</p> | | |
| <p>Surinder Sachar Registration No. 34,423</p> | | | | | |

10/555096

JC20 Rec'd PCT/PTO 02 NOV 2005

DOCKET NO.: 280664US6PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yoshiyuki KAJIWARA

SERIAL NO.: NEW U.S. PCT APPLICATION

FILED: HEREWITH

INTERNATIONAL APPLICATION NO.: PCT/JP05/05371

INTERNATIONAL FILING DATE: March 24, 2005

FOR: SIGNAL PROCESSING DEVICE AND METHOD, AND SIGNAL DECODING DEVICE
AND METHOD

**REQUEST FOR PRIORITY UNDER 35 U.S.C. 119
AND THE INTERNATIONAL CONVENTION**

Commissioner for Patents
Alexandria, Virginia 22313

Sir:

In the matter of the above-identified application for patent, notice is hereby given that
the applicant claims as priority:

| <u>COUNTRY</u> | <u>APPLICATION NO</u> | <u>DAY/MONTH/YEAR</u> |
|-----------------------|------------------------------|------------------------------|
| Japan | 2004-112318 | 06 April 2004 |

Certified copies of the corresponding Convention application(s) were submitted to the
International Bureau in PCT Application No. PCT/JP05/05371. Receipt of the certified
copy(s) by the International Bureau in a timely manner under PCT Rule 17.1(a) has been
acknowledged as evidenced by the attached PCT/IB/304.

Respectfully submitted,
OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Marvin J. Spivak
Attorney of Record
Registration No. 25,599
Surinder Sachar
Registration No. 34,423

Customer Number

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(OSMMN 08/03)